BRUHATH BANGALORE MAHANAGARA PALIKE

Improvements to Roads and Drains at Bagalagunte old village Harijana Colony in Ward No 14 Bagalagunte, Dasarahalli-sub-Division ,

SCHEDULE-B

Estimated Cost -150.00 Lakh(s) | **JOB CODE :014-20-000018**

Sl. No.	Description of Item	Unit	Quantity	Rates (in Rs.)	
				In Figures	In Words
1	Removing and resetting of footpath slab Item No 37.56	Sqm	1026.75	208.82	Rupees Two Hundred Eight and Eighty Two Paise Only
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to<tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 2.00 km and complete as per specifications. \ MORTH Specification No.301 Item No 19.14	Cum	382.95	43.46	Rupees Forty Three and Forty Six Paise Only
3	KSRRB300-1. Earthwork excavation by manual means for roads, drains Cum & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Item No 19.1	Cum	1148.73	137.80	Rupees One Hundred Thirty Seven and Eighty Paise Only
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete Cum of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2 Item No 4.2	Cum	76.60	5714.97	Rupees Five Thousand Seven Hundred Fourteen and Ninety Seven Paise Only
5	Providing and laying in position reinforced cement Cum concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 Item No 4.12	Cum	315.65	5775.37	Rupees Five Thousand Seven Hundred Seventy Five and Thirty Seven Paise Only

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6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	2289.04	379.48	Rupees Three Hundred Seventy Nine and Forty Eight Paise Only
7	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. workincluding straightening, cutting, bending, hooking, placing in position,lapping and/or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.MORTH Specification No.1600 & 220 Item No 28.8.2	Tonne	20.85	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
8	Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications. KBS 5.1.13	Cum	23.81	4763.64	Rupees Four Thousand Seven Hundred Sixty Three and Sixty Four Paise Only
9	KSRB 4-1.1: Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials,labour, HOM curing complete as per specificationsSpecification No. KBS 4.1,4.2	Cum	35.55	5599.98	Rupees Five Thousand Five Hundred Ninety Nine and Ninety Eight Paise Only
10	Providing ruled pointing 20mm deep, after rak Coursed stone masonry with cement mortar, cost of materials, lab depth of 20mm nicely lining, includingUr> HOM curing complete as per specifications Item No 34.13	Sqm	172.50	49.06	Rupees Forty Nine and Six Paise Only
11	Providing and laying pre-cast drain cover slabs of 100mm thickness in C.M (1:3) including cost and of all materials, labour,curing transportaion loading and unloading etc. as per directions of the Engineer-in-charge of the work.(date rate approved)	Sqm	1061.10	1615.00	Rupees One Thousand Six Hundred Fifteen Only
12	Providing and laying pre-cast drain cover slabs of 250mm thickness in C.M (1:3) including cost and of all materials, labour,curing transportaion loading and unloading etc. as per directions of the Engineer-in-charge of the work.(date rate approved)	Sqm	105.09	5418.00	Rupees Five Thousand Four Hundred Eighteen Only

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13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottomwidth 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. Item No 5.30	Nos	1424.00	435.84	Rupees Four Hundred Thirty Five and Eighty Four Paise Only
14	Removing and resetting of kerb stones Item No 37.57	m	912.00	104.94	Rupees One Hundred Four and Ninety Four Paise Only
15	KSRRB 800-1. Painting two coats after filling the surface with synthetic Sqm enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Item No 24.1	Sqm	420.00	84.80	Rupees Eighty Four and Eighty Paise Only
16	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick Sqm along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3 Item No 19.56	Sqm	1007.64	41.34	Rupees Forty One and Thirty Four Paise Only
17	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.MORTH Specification No.301 (KPWD SR 2018-19, Page No.143, Item No.19.14)	Cum	172.20	149.46	Rupees One Hundred Forty Nine and Forty Six Paise Only
18	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding0.02 cum in volume and stock piling at designated locations and disposalof dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.MORTH Specification No. 202 Item No 18.47	Cum	117.30	952.94	Rupees Nine Hundred Fifty Two and Ninety Four Paise Only
19	KSRRB 300-48. Scarifying kankar I gravel I metal crust by mechanical means upto 150mm thick disposal of stuff including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3 Item No 19.54	Sqm	782.00	25.44	Rupees Twenty Five and Forty Four Paise Only

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20	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Item no 20.18	Cum	381.45	2001.28	Rupees Two Thousand One and Twenty Eight Paise Only
21	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.Clause 502 of MORTH V revision item No 21.6	Sqm	2231.00	33.92	Rupees Thirty Three and Ninety Two Paise Only
22	KSRRB 500-9. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on granular base such as WBM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision Item No 21.2	Sqm	5142.75	21.20	Rupees Twenty One and Twenty Paise Only
23	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision Item No 21.2	Sqm	5279.00	5.30	Rupees Five and Thirty Paise Only
24	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision Item No 21.17	Cum	111.55	7428.48	Rupees Seven Thousand Four Hundred Twenty Eight and Forty Eight Paise Only

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25	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 Item No 21.78.12	Cum	278.80	8699.42	Rupees Eight Thousand Six Hundred Ninety Nine and Forty Two Paise Only
26	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as apporved by Engineer Incharge	Sqm	4.99	71.03	Rupees Seventy One and Three Paise Only

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